

- physics Research Directorate, Air Force Cambridge Research Center, Cambridge, 1954.
5. F. E. McCreary, "A Christmas Island Climatological Study," Joint Task Force Seven Meteorological Center, *Technical Paper II*, Pearl Harbor, 1959.
 6. C. E. Palmer, "The Stratospheric Polar Vortex in Winter," *Journal of Geophysical Research*, vol. 64, No. 7, July 1959, pp. 152-159.
 7. H. Riehl and R. Higgs, "Unrest in the Upper Stratosphere over the Caribbean Sea during January 1960," *National Hurricane Research Project Report No. 37*, March 1960.
 8. H. Riehl and S. Teweles, "A Further Study on the Relation between the Jet Stream and Cyclone Formation," *Tellus*, vol. 5, No. 1, Feb. 1953, pp. 66-79.
 9. L. Rothenberg and S. Teweles, Diurnal Variation in Stratospheric Temperatures and Pressure-Heights Reported by Other Countries, Manuscript, U.S. Weather Bureau, 1960.
 10. R. Scherhag, *Neue Methoden der Wetteranalyse und Wetterprognose*, Springer-Verlag, Berlin, 1948.
 11. R. Scherhag, "Berliner Radiosondenaufstiege schlossen beweiskette: Erstmals sommerliche Stratosphärenwärmung durch eine Sonneneruption beobachtet," *Wetterkarte des Deutschen Wetterdienstes*, Berlin, Beilage Nr. 141, Sept. 1958.
 12. R. Scherhag, "Stratospheric Temperature Changes and the Associated Changes in Pressure Distribution" abstract of paper presented at Minneapolis Conference on Stratospheric Meteorology, *Bulletin of the American Meteorological Society*, vol. 40, No. 7, July 1959, p. 368.
 13. S. Teweles, "Anomalous Warming of the Stratosphere over North America in Early 1957" *Monthly Weather Review*, vol. 86, No. 10, Oct. 1958, pp. 377-396.
 14. S. Teweles and F. G. Finger, "An Abrupt Change in Stratospheric Circulation Beginning in Mid-January 1958" *Monthly Weather Review*, vol. 86, No. 1, Jan. 1958, pp. 23-28.
 15. S. Teweles and F. G. Finger, "Reduction of Diurnal Variation in the Reported Temperatures and Heights of Stratospheric Constant-Pressure Surfaces," *Journal of Meteorology*, vol. 17, No. 2, Apr. 1960, pp. 177-194.
 16. U.S. National Bureau of Standards, Radio Propagation Laboratory, *Part B, Solar-Geophysical Data*, CRPL-F169, Boulder, Colo., Sept. 1958 (See Geomagnetic Activity Indices, Vb.).
 17. U.S. Weather Bureau, *Radiosonde Observations Computation Tables and Diagrams*, Washington, D.C., 1957.
 18. U.S. Weather Bureau, *10-Millibar Synoptic Weather Maps, 3 Times Monthly, July 1957 through June 1958 of the IGY Period*, Washington D.C., Dec. 1959.
 19. U.S. Weather Bureau, Daily Series Synoptic Weather Maps, Northern Hemisphere, 100-Millibar and 50-Millibar Charts for the IGY period (in preparation).
 20. H. Wexler, "Spread of the Krakatoa Volcanic Dust Cloud as Related to the High-Level Circulation," *Bulletin of the American Meteorological Society*, vol. 32, No. 2, Feb. 1951, pp. 48-51.
 21. H. Wexler, "Seasonal and Other Temperature Changes in the Antarctic Atmosphere," *Quarterly Journal of the Royal Meteorological Society*, vol. 85, No. 365, July 1959, pp. 196-208.
 22. H. Wexler and W. B. Moreland, "Winds and Temperatures in the Arctic Stratosphere," *Polar Atmosphere Symposium, Part I, Meteorology Section*, Pergamon Press, 1958, pp. 71-84.
 23. V. L. Williams, "The Similarity of Sudden Commencements of Magnetic Storms," *Journal of Geophysical Research*, vol. 65, No. 1, Jan. 1960, pp. 85-92.

New Weather Bureau Publications

Technical Paper No. 29, Part 5, "Rainfall Intensity-Frequency Regime—Great Lakes Region," Washington, D.C., 1960, 31 pp.; for sale by Superintendent of Documents, U.S. Government Printing Office, Washington, 25, D.C., Price \$1.50.

Contains rainfall intensity-duration-area-frequency regime, with other storm characteristics, for durations of 20 minutes to 24 hours, area from point to 400 square miles, frequencies for return periods from 1 to 100 years, for the region between longitudes 80° and 90° W. and north of latitude 40° N.

Technical Paper No. 38, "Generalized Estimates of Probable Maximum Precipitation for the United States West of the 105th Meridian for Areas to 400 Square Miles and Durations to 24 Hours," Washington, D.C., 1960, 66 pp.; for sale by Superintendent of Documents, U.S. Government Printing Office, Washington 25, D.C., Price \$1.00.

Provides generalized estimates of probable maximum precipitation for western United States for hydrologic design, and details what the values presented represent, how they were obtained, how they should be used, and how accurate they are.